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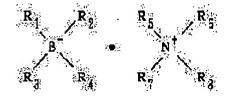
OE YASUSHI

(54) PHOTOPOLYMERIZABLE COMPOSITION

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a photopolymerizable composition having high photosensitivity in a long wavelength region, improve in photosensitizing rate and suitable for a recording material such as an optical disk, containing respectively specific compound, ammonium borate, an aromatic onium salt and a cationic pigment sensitizer as main components.

SOLUTION: This composition is composed of (A) a compound such as an acrylic acid having more than one ethylenic unsaturated bond radically polymerizable by a chemically acting radiation such as electron beam, (B) preferably 1–15 pts.wt. (based on 100 pts.wt. of the component (A) of an aromatic onium salt such as diphenyliodonium chloride, (C) preferably 0.1–5 pts.wt. of a cationic sensitizer sensitizing the component B within a visible light region, such as 3-ethyl-2-[(3-ethyl-2-benzothiazolinidene)methyl]benzothiazolium and (D) preferably 0.5–10 pts.wt. (based on 1 pt.wt. of the component (C) of ammonium borate of the formula [R1-R4 are each an alkyl, an aryl, etc.; R5-R8 are each H, an alkyl, an aryl, etc.] such as tetramethylammonium-n-butyl triphenylborate, as main components.



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